



#9 Amatt B
Smw 8.7-03

Docket No.: 837.1953

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Shigeki WATANABE

Serial No. 09/560,723

Confirmation No. 5245

Filed: April 28, 2000

For: METHOD, DEVICE, AND SYSTEM FOR REGENERATION AND APPLICATION OF
OPTICAL CLOCK

RECEIVED

JUL 30 2003

Group Art Unit: 2633

Technology Center 2600

Examiner: Kim, David S.

RESPONSE

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

This is in response to the Office Action mailed March 28, 2003, and having a period for response set to expire on June 28, 2003. A Petition for a 1-month extension of time, together with the requisite fee for same, is submitted herewith, thereby extending the period for response to July 28, 2003.

The following amendments and remarks are respectfully submitted. Reconsideration of the claims is respectfully requested.

I. AMENDMENTS

A. IN THE ABSTRACT:

Please replace the Abstract with the Abstract that follows:

An optical device for regenerating an optical clock, including an optical path provided between an input port to which signal light modulated at a frequency f_s is supplied and an output port, and an optical loop optically coupled to the optical path. The optical loop includes an optical amplifier for compensating for a loss in the optical loop so that laser oscillation occurs in the optical loop, an adjuster for adjusting the optical path length of the optical loop so that the frequency f_s becomes equal to an integral multiple of the reciprocal of a recirculation period of the optical loop, and a nonlinear optical medium for mode-locking the laser oscillation according

B